

PVA070G12M-A05-AE Foxconn 12VDC 70x70x25mm Axial Fan Datasheet



Brand: Foxconn

SKU: 999591020428

Category: Axial & Centrifugal Fans

Price: \$9.99

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Product Page:

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Product Description

The Foxconn PVA070G12M-A05-AE is a precision-engineered DC axial fan designed for critical thermal management in compact electronic enclosures. Utilizing advanced aerodynamic blade geometry, this 70mm cooling solution optimizes airflow efficiency while maintaining structural rigidity under high rotational speeds. The unit features a robust bearing architecture that ensures long-term operational stability and reduced frictional heat generation. Engineered with a durable thermoplastic frame, the PVA070G12M-A05-AE delivers consistent static pressure performance, making it an ideal component for maintaining optimal thermal impedance in server modules and industrial computing systems.

Model Number: PVA070G12M-A05-AE

Brand: Foxconn

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 0.30 A

Power Consumption: 3.60 W

Rated Speed: 3800 RPM

Bearing Type: Hydro Dynamic Bearing

Max. Air Flow: 33.0 CFM (56.1 m³/h / 0.93 m³/min)

Max. Static Pressure: 4.50 mmH₂O (44.1 Pa / 0.18 inH₂O)

Dimensions: 70x70x25mm

Weight: 68 g

Life Expectancy: 50,000 Hours @ 40°C

Noise Level: 34.0 dB-A

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

Termination: 4-Wire Leads

Speed Control: PWM / Tachometer Output

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Mounting Orientation: Any

Ingress Protection: IP40

Certifications: CE, UL, TUV

This cooling unit is specifically calibrated for integration into high-density server racks, network switches, and industrial automation control panels where space is limited but airflow requirements are stringent. The PVA070G12M-A05-AE excels in evacuating heat from CPU heatsinks and power supply units, ensuring component longevity in 24/7 operational environments. Additionally, the PVA070G12M-A05-AE is frequently utilized in medical instrumentation and telecommunications equipment, providing reliable thermal regulation to prevent system throttling or failure due to overheating.

Supplemental Images

